

S&MA Mission Services Task Directive

AUG 01 2001

Control No.
9

Project Code
Shuttle - PRA

Contract No.
NAS8-00179

Originator's Signature:
QS21/Alex Adams



Date: 7/21/01

Originator's Priority:
High

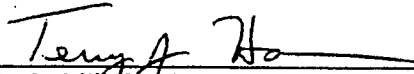
Office Manager's Signature:
QS20/Dave Spacek



Date:

7-31-01

COTR's Approval:
QS10/Terry Hamm



Date:

8-1-01

Subject: Additional Probabilistic Risk Assessment (PRA) support for MSFC Shuttle Elements

Task Description:

- Conduct technical interchange meetings with each Shuttle prime (Rocketdyne, Pratt & Whitney, Thiokol, Lockheed Martin, USA) to insure consistency in modeling and quantification
- Resolve technical issues between MSFC elements and JSC, KSC
- Provide expert support to the primes through modeling guidance and review of completed models
- Assist primes in model development and quantification
- Review models developed by the prime contractors and resolve any issues that are found
- Input completed PRA models into the SAPHIRE software program
- Acquire software to assist in quantification of risk

Required Action/Deliverables/Schedule:

- Trip reports from technical interchange meetings
- Documentation of communication with JSC and KSC
- Documentation of review comments sent to Shuttle primes
- Preliminary Shuttle PRA models in SAPHIRE

Schedule/Manpower

- Task effective through 9/30/01

Report Progress To: Alex Adams/QS21

Report Date:

Frequency of Report: